

OIPE

RAW SEQUENCE LISTING

DATE: 08/07/2001

PATENT APPLICATION: US/09/817,661

TIME: 08:19:44

Input Set : A:\84633.app

Output Set: N:\CRF3\08072001\I817661.raw

3 <110> APPLICANT: Osbourn, Jane
4 Holet, Thor
6 <120> TITLE OF INVENTION: Improvements to ribosome display
8 <130> FILE REFERENCE: 84633
10 <140> CURRENT APPLICATION NUMBER: US 09/817,661
11 <141> CURRENT FILING DATE: 2001-03-26
13 <150> PRIOR APPLICATION NUMBER: US 60/193,802
14 <151> PRIOR FILING DATE: 2000-03-31
16 <160> NUMBER OF SEQ ID NOS: 35
18 <170> SOFTWARE: PatentIn Ver. 2.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 324
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Description of Artificial Sequence: Ribosome ✓
27 display construct
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31 gccagccat ctgcagtaag cggcgcaca tcatcatcac catcacggg ccgcagaaca 120
32 aaaactcatc tcagaagagg atctgaatgg ccgcggcagc gggccggct ctgggagcgg 180
33 atccggctct gggagcggct ctgggtccgg atcgggctcc ggatcaggct cgggctccgg 240
34 atctggatcg ggctccggat ccgggtcggg ctccggatgg ggtcgggttc gggatcatac 300
35 ccgtatgacg tgccggatta cgca 324
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 76
40 <212> TYPE: DNA
41 <213> ORGANISM: Artificial Sequence
43 <220> FEATURE:
44 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
46 <400> SEQUENCE: 2
47 aattctaata cgactcacta tagggagagc acttctgata cagtccgact gagaaggaag 60
48 gccagccgg ccatgg 76
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 27
53 <212> TYPE: DNA
54 <213> ORGANISM: Artificial Sequence
56 <220> FEATURE:
57 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
59 <400> SEQUENCE: 3
60 taccggtatg acgtgccgga ttacgca 27
63 <210> SEQ ID NO: 4
64 <211> LENGTH: 32
65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer

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72 taatacgact cactataggg agagcacttc tg 32
75 <210> SEQ ID NO: 5
76 <211> LENGTH: 15
77 <212> TYPE: DNA
78 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
83 <400> SEQUENCE: 5
84 tgcgtaatcc ggcac 15
87 <210> SEQ ID NO: 6
88 <211> LENGTH: 21
89 <212> TYPE: DNA
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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96 ctcttctgag atgagttttt g 21
99 <210> SEQ ID NO: 7
100 <211> LENGTH: 27
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
107 <400> SEQUENCE: 7
108 gcacatcatc atcaccatca cggggcc 27
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 135
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence:
118 Oligonucleotide
120 <400> SEQUENCE: 8
121 tgcgtaatcc ggcacgtcat acgggtaact atttttccct ttgcggacat cactcttttt 60
122 tccggttcga gatcgaaact ttgcaagcct gatcgacata gggacatctt ccatgaactc 120
123 atcaacgact tcttc 135
126 <210> SEQ ID NO: 9
127 <211> LENGTH: 144
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Description of Artificial Sequence:
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136 gaactcatca acgacttctt ctgtaagtgc catgggccct ccgtctctca cgtttgtaat 60
137 cttctctctc aaaccattca gatcctcttc tgagatgagt ttttgttctg cggccccgtg 120
138 atggtgatga tgatgtcggg ccgc 144
141 <210> SEQ ID NO: 10

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142 <211> LENGTH: 147
143 <212> TYPE: DNA
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146 <220> FEATURE:
147 <223> OTHER INFORMATION: Description of Artificial Sequence:
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150 <400> SEQUENCE: 10
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152 cttctctctc aaaccctaata tcagatcctc ttctgagatg agtttttggt ctgcggcccc 120
153 gtgatggtga tgatgatgtc gggccgc 147
156 <210> SEQ ID NO: 11
157 <211> LENGTH: 63
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence: 5' end of
163     construct
165 <400> SEQUENCE: 11
166 ggggaccccc ccggaagggg gggacgaggt gcgggcacct cgtacgggag ttcgaccgtg 60
167 acg 63
170 <210> SEQ ID NO: 12
171 <211> LENGTH: 156
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial Sequence: 3' end of
177     construct
179 <400> SEQUENCE: 12
180 cacgggctag cgcttttcgcg ctctcccagg tgacgcctcg tgaagaggcg cgaccttcgt 60
181 gcgttttcggt gacgcacgag aaccgccacg ctgcttcgca gcgtggctcc ttcgcgcagc 120
182 ccgctgcgcg aggtgacccc ccgaaggggg gttccc 156
185 <210> SEQ ID NO: 13
186 <211> LENGTH: 86
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence:
192     Oligonucleotide
194 <400> SEQUENCE: 13
195 ggggaccccc ccggaagggg gggacgaggt gcgggcacct cgtacgggag ttcgaccgtg 60
196 acgaattcta atacgactca ctatag 86
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200 <211> LENGTH: 106
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Description of Artificial Sequence:
206     Oligonucleotide
208 <400> SEQUENCE: 14

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209 taccggtatg acgtgccgga ttacgcacac gggctagcgc ttgcgcgtc tcccaggtga 60
210 cgcctcgtga agaggcgcga ccttcgtgcg ttgcggtgac gcacga 106
213 <210> SEQ ID NO: 15
214 <211> LENGTH: 106
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: Description of Artificial Sequence:
220     Oligonucleotide
222 <400> SEQUENCE: 15
223 tcgtgcgtca ccgaaacgca cgaaggctgc gcctcttcac gaggcgtcac ctgggagagc 60
224 gcgaaagcgc tagcccggtg gcgtaatccg gcacgtcata cgggta 106
227 <210> SEQ ID NO: 16
228 <211> LENGTH: 96
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Description of Artificial Sequence:
234     Oligonucleotide
236 <400> SEQUENCE: 16
237 gcgtttcggg gacgcacgag aaccgccacg ctgcttcgca gcgtggctcc ttgcgcagc 60
238 ccgctgcgcg aggtgacccc ccgaaggggg gttccc 96
241 <210> SEQ ID NO: 17
242 <211> LENGTH: 96
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Description of Artificial Sequence:
248     Oligonucleotide
250 <400> SEQUENCE: 17
251 gggaaccccc cttcgggggg tcacctcgcg cagcgggctg cgcgaaggag ccacgctgcg 60
252 aagcagcgtg gcggttctcg tgcgtcaccg aaacgc 96
255 <210> SEQ ID NO: 18
256 <211> LENGTH: 14
257 <212> TYPE: PRT
258 <213> ORGANISM: Homo sapiens
260 <400> SEQUENCE: 18
261 Asn Met Val Arg Gly Val Gly Arg Tyr Tyr Tyr Met Asp Val
262   1             5             10
265 <210> SEQ ID NO: 19
266 <211> LENGTH: 11
267 <212> TYPE: PRT
268 <213> ORGANISM: Homo sapiens
270 <400> SEQUENCE: 19
271 Cys Ser Arg Asp Ser Ser Gly Tyr His Leu Val
272   1             5             10
275 <210> SEQ ID NO: 20
276 <211> LENGTH: 10
277 <212> TYPE: PRT

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278 <213> ORGANISM: Homo sapiens
280 <400> SEQUENCE: 20
281 Val His Asn Gly Trp Tyr Ala Leu Glu Tyr
282   1           5           10
285 <210> SEQ ID NO: 21
286 <211> LENGTH: 11
287 <212> TYPE: PRT
288 <213> ORGANISM: Homo sapiens
290 <400> SEQUENCE: 21
291 Asn Ser Trp Asp Ser Ser Gly Asn His Val Val
292   1           5           10
295 <210> SEQ ID NO: 22
296 <211> LENGTH: 10
297 <212> TYPE: PRT
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: Description of Artificial Sequence: Library
303 <220> FEATURE:
304 <221> NAME/KEY: SITE
305 <222> LOCATION: (4)..(8)
306 <223> OTHER INFORMATION: Xaa is any amino acid
308 <400> SEQUENCE: 22
W--> 309 Val His Asn Xaa Xaa Xaa Xaa Xaa Glu Tyr
310   1           5           10
313 <210> SEQ ID NO: 23
314 <211> LENGTH: 11
315 <212> TYPE: PRT
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Description of Artificial Sequence: Library
321 <220> FEATURE:
322 <221> NAME/KEY: SITE
323 <222> LOCATION: (4)..(8)
324 <223> OTHER INFORMATION: Xaa is any amino acid
326 <400> SEQUENCE: 23
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328   1           5           10
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332 <211> LENGTH: 5
333 <212> TYPE: PRT
334 <213> ORGANISM: Artificial Sequence
336 <220> FEATURE:
337 <223> OTHER INFORMATION: Description of Artificial Sequence: Mutagenized
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340 <400> SEQUENCE: 24
341 Gly Trp Tyr Ala Leu
342   1           5
345 <210> SEQ ID NO: 25
346 <211> LENGTH: 5

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/817,661

DATE: 08/07/2001

TIME: 08:19:45

Input Set : A:\84633.app

Output Set: N:\CRF3\08072001\I817661.raw

L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22

L:327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23